

Docket No.: 51519-P001US
(PATENT)

J1003 U.S. PTO
10/099875
03/15/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Qian Yu, et al.

Application No.: Not Yet Assigned
Group Art Unit: N/A
Filed:

Examiner: Not Yet Assigned

For: MONITORING AND IN-LINE
COMPENSATION OF POLARIZATION
DEPENDENT LOSS FOR LIGHTWAVE
SYSTEMS

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EL341171895US, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date shown below.

Dated: March 15, 2002

Signature:

(Joy M. Perigo)

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of each reference on PTO/SB/08 is attached.

A concise explanation of relevance of the items listed on form PTO/SB/08 is:

☒ not given

☐ given for each listed item

☐ given for only non-English language listed items

[] in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references

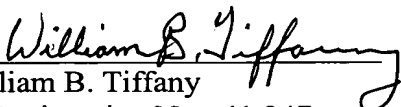
While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2380.

Dated: March 15, 2002

Respectfully submitted,

By 
William B. Tiffany
Registration No.: 41,347
FULBRIGHT & JAWORSKI L.L.P.
2200 Ross Avenue
Suite 2800
Dallas, Texas 75201
(214) 855-8204
(214) 855-8200 (Fax)
Attorneys for Applicant

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Substitute for form 1449A/PTO				C mplete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	Not Yet Assigned
				Filing Date	
				First Named Inventor	Qian Yu
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	51519-P001US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		60/276,799		Qian Yu et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	Bergano, Neal S. and C. R. Davidson, "Circulating Loop Transmission Experiments for the Study of Long-Haul Transmission Systems Using Erbium-Doped Fiber Amplifiers," Journal of Lightwave Technology, Vol. 13, No. 5, pp. 879-888, May 1995.	
	B	Haunstein, H. F., and H. M. Kallert, "Influence of PDM on the Performance of Optical Transmission Systems in the Presence of PDL," Technology Digest Optical Fiber Communications Conference (OFC'2001), Paper WT4, pp. WT4-1 – WT4-3, Anaheim, CA March 2001.	
	C	Huttner, B., C. Geiser, and N. Gisin, "Polarization-Induced Distortions in Optical Fiber Networks with Polarization-Mode Dispersion and Polarization-Dependent Losses," IEEE Journal of Selected Topics in Quantum Electronics, Vol. 6, No. 2, pp. 317-329, March/April 2000.	
	D	Kim, Na Young, Duckey Lee, Hosung Yoon, and Namkyoo Park, "Analysis on the Limitation of PDM Compensator in the 10 Gbps Transmission System with Polarization Dependent Loss," Technical Digest Optical Fiber Communication Conference (OFC'2001), paper WT6, pp. WT6-2 - WT6-4, Anaheim, CA, March 2001.	
	E	Lee, S., Q. Yu, S. Yan, Y. Xie, O. H. Adamczyk, and A. E. Willner, "A Short Recirculating Fiber Loop Testbed with Accurate Reproduction of Maxwellian PMD Statistics," Technical Digest Optical Fiber Communication Conference (OFC'2001), Paper WT2, pp. WT2-1 - WT2-3, Anaheim, CA, March 2001.	
	F	Lichtman, Eyal, "Limitations Imposed by Polarization-Dependent Gain and Loss on All-Optical Ultralong Communication Systems," Journal of Lightwave Technology, Vol. 13, No. 5, pp. 906-913, May 1995.	
	G	Lu, Ping, Liang Chen, and Xiaoyi Bao, "Statistical Distribution of Polarization-Dependent Loss in the Presence of Polarization-Mode Dispersion in Single-Mode Fibers," IEEE Photonics Technology Letters, Vol. 13, No. 5, pp. 451-453, May 2001.	
	H	Sun, Y., A.K. Srivastava, J. L. Zyskind, J.W. Sulhoff, C. Wolf and R. W. Tkach, "Fast Power Transients in WDM Optical Networks with Cascaded EDFAs," Electronic Letters, Vol. 33, No. 4, pp. 313-314, February 13, 1997.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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